



*keeping your home  
safe and clean*



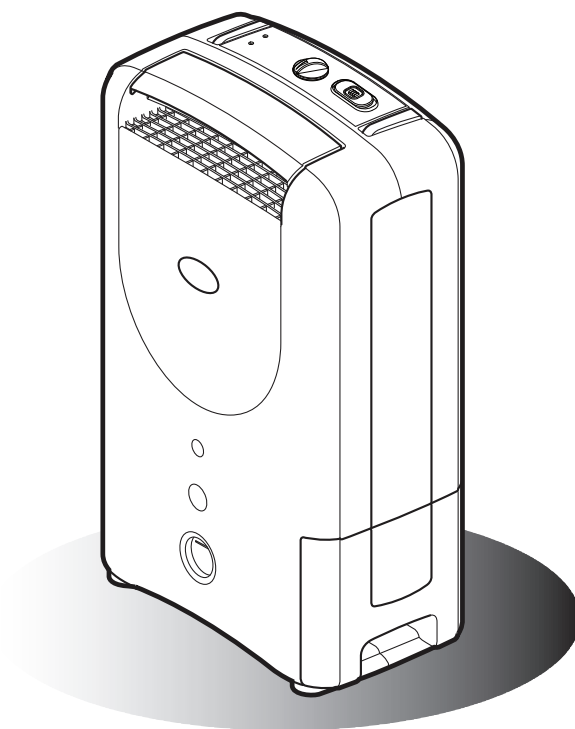
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# USERS MANUAL

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## Desiccant Dehumidifier

**Model: ECO DD122FW SIMPLE MK2**



### **Read This Manual**

Inside you will find many helpful hints on how to use and maintain your dehumidifier properly. Just a little preventative care on your part can save you a great deal of time and money over the life of your dehumidifier. You'll find many answers to common problems in the chart of troubleshooting tips. Review the chart of Troubleshooting Tips before calling your service engineers.

#### **ECOAIR TECHNICAL SUPPORT**

UK TEL: +44 208 459 2458

EMAIL: [technical@ecoair.org](mailto:technical@ecoair.org)

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# IMPORTANT SAFETY INSTRUCTIONS

## PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE OPERATING.

**WARNING** - This appliance is intended for use in a domestic environment and light office use only. Any other use is not recommended by the manufacturer and may cause fire, electrical shocks or other injury to person or property.

When using electrical appliances, basic safety precautions should always be followed:

1. Do not operate the unit with a damaged cord or plug, after it malfunctions or has been dropped or damaged in any way. Return to an authorized service facility for examination and repair.
2. This unit should always be kept in an upright position to avoid any damage. The appliance must be placed on a level flat surface during operation.
3. Check the household voltage to ensure it matches the units rated specification before operating.
4. Operate this unit in an ambient temperature between 1°C and 35°C.
5. Ensure that the air inlets and outlets are not blocked or covered.
6. Do not place the unit too close to curtains or other objects - min 40cm.
7. When using the "LAUNDRY" mode to speed up the drying of wet clothes in the room, please keep the clothing at a safe distance from the unit to prevent water from dropping onto the unit.
8. Never place anything on top of the unit and do not cover with any kind of material while in use.
9. This product is intended for domestic and light office use ONLY and not for commercial, industrial or outdoor use.
10. To protect against electrical shocks, do not immerse unit, plug or cord in water, or spray with liquids.
11. Never unplug the power cord without turn off first, as this could damage the unit.
12. Always unplug the unit when not in use or moving location. To disconnect from the power supply, grip the plug and pull from the power socket. Never pull by the cord.
13. Always empty the water tank before storing the unit away.
14. Close supervision is necessary when any appliance is used by or near children and pets.
15. Do not run power cord under carpeting, or cover with rugs or runners. Arrange the cord away from areas where it may be tripped over.
16. Never operate or store the unit in direct sunlight.
17. To repair the unit, take it to a qualified service engineer. Repairs carried out by unqualified people may cause damage to the unit or injury to persons or property and void the warranty.
18. Where possible, avoid the use of an extension cable as they may overheat and cause a risk of fire. Only use an extension cord after ensuring it is in perfect condition.
19. Do not use the unit without the air filter.

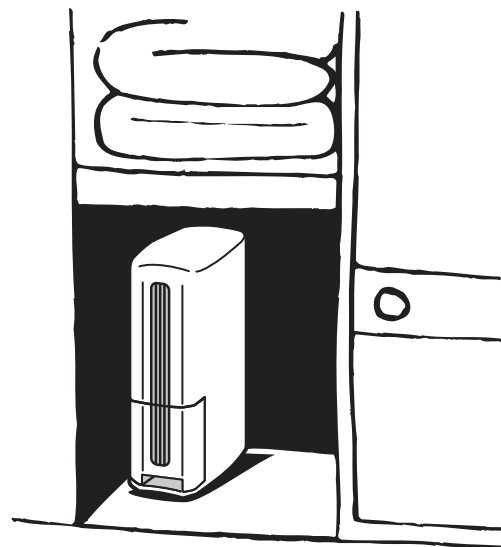
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

**SAVE AND READ THESE IMPORTANT SAFETY INSTRUCTIONS**

## IMPORTANT SAFETY INSTRUCTIONS



Do not use the unit in confined spaces such as inside closets or between furniture.  
(Restricted ventilation may cause overheat or fire)



### Caution

Do not place the dehumidifier in a broom cupboard, boiler room, small unventilated rooms etc. Avoid placing the dehumidifier in small confined areas or in close proximity to a radiator or heat source such as tumble driers, cookers etc.

**Wiring Instructions:** Should it be necessary to change the plug please note the wires in the mains lead are coloured in accordance with the following code:

**BLUE - NEUTRAL**  
**BROWN - LIVE**  
**GREEN AND YELLOW - EARTH**

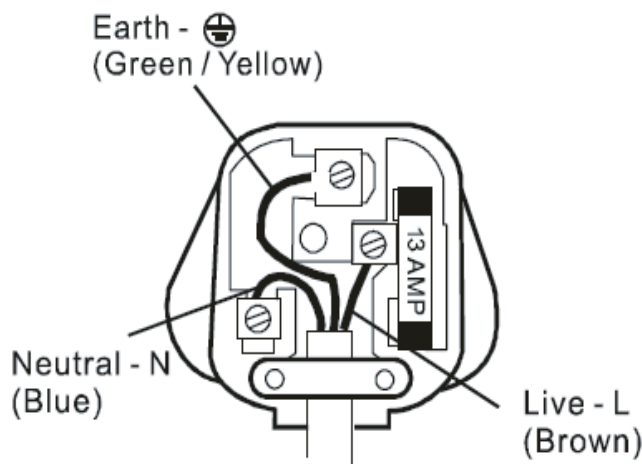
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK**.
2. The **BROWN** wire is the **LIVE** and must be connected to the terminal which is marked with the letter **L** or coloured **RED**.
3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or  $\oplus$  or coloured **GREEN OR GREEN/YELLOW**.
4. Always ensure that the cord grip is positioned and fastened correctly.

If a **13A (BS 1363)** fused plug is used it must be fitted with a **13A** fuse. If in doubt consult a qualified electrician.

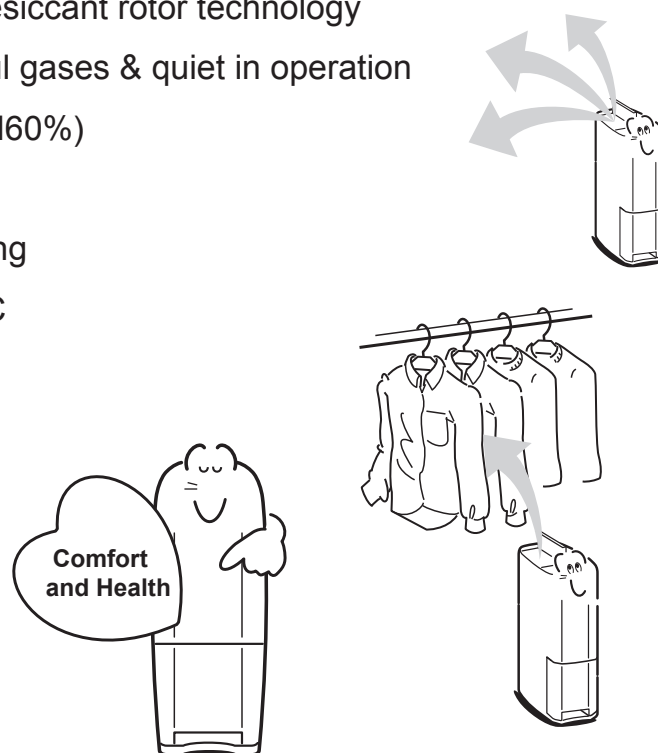
### **Wiring for a 13 Amp Plug (BS1363)**

Please note. The Earth Terminal is marked with the letter **E** or  $\oplus$  Earth Symbol.

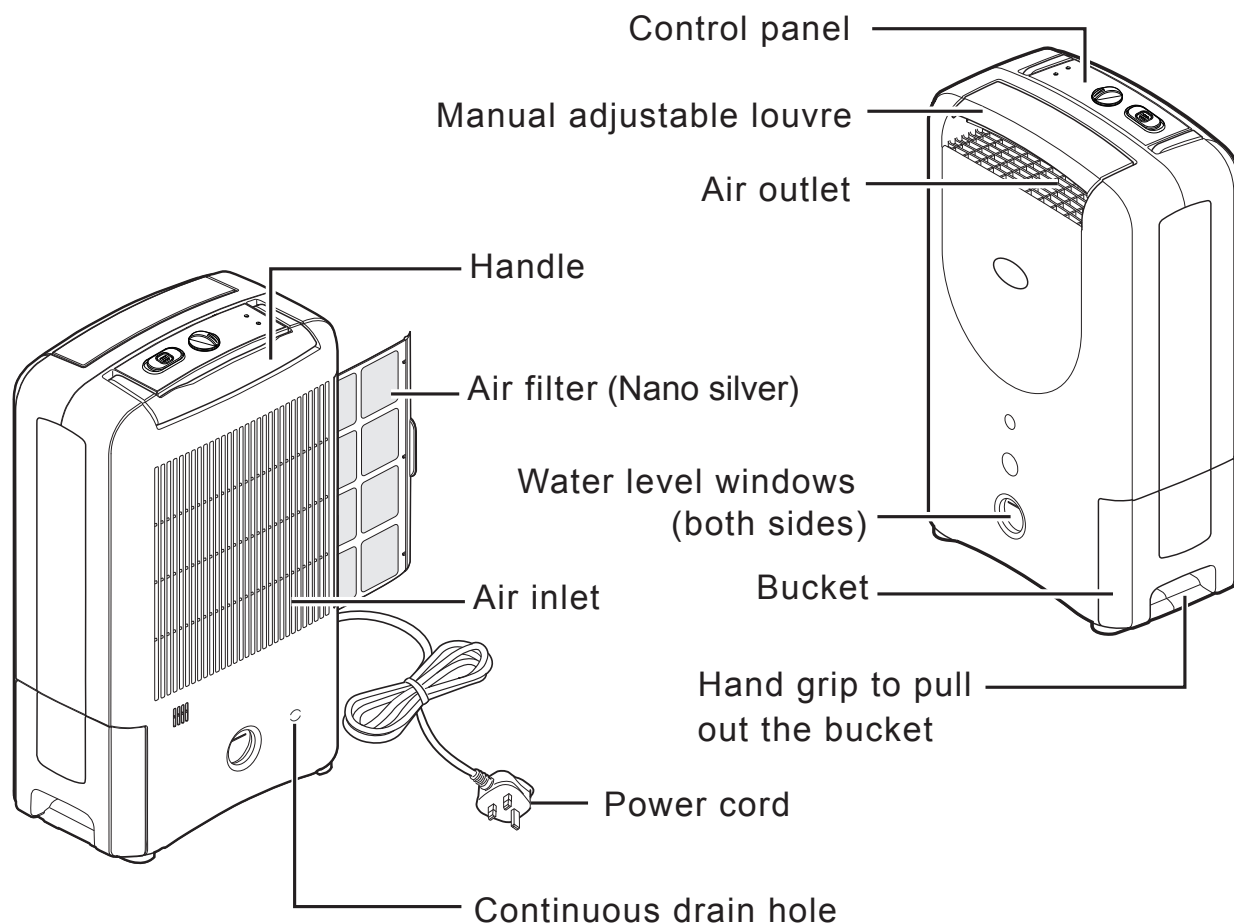


# FEATURES

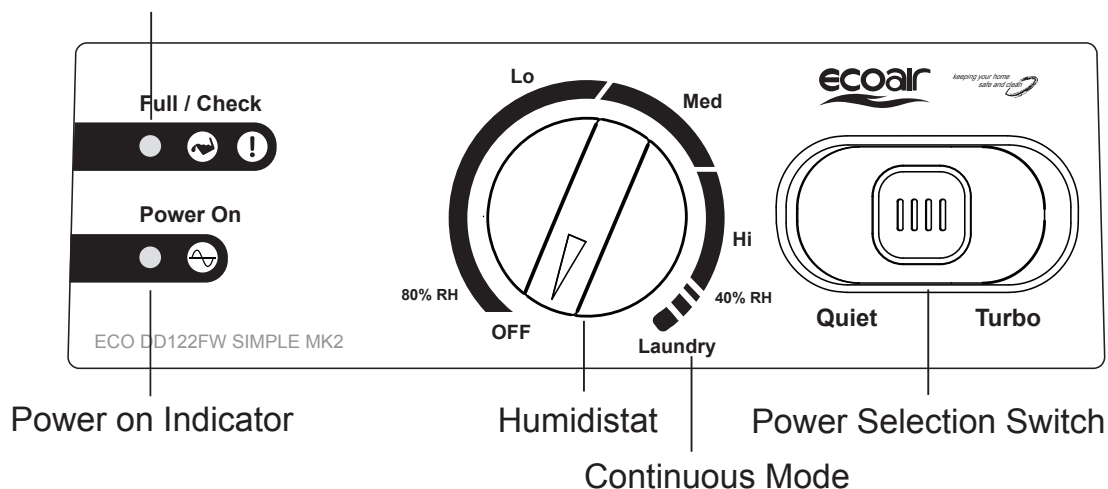
- **Compressorless dehumidifier** - uses desiccant rotor technology
- **Environmentally friendly** with no harmful gases & quiet in operation
- **Moisture removal** - 7 litres/day (20°C RH60%)
- **Water tank capacity** - 2 litres
- **Laundry mode** - set on continuous running
- **Temperature range for use** ~ 1°C - 35°C
- **Light & portable** with carry handle
- **Removable water bucket with handle**
- **Operating light**
- **Quiet and Turbo operation**
  - 2 speed selection
- **Manual adjustable louvre**



# PRODUCT DESCRIPTION



## Full Tank and Check Indicator



### Humidistat


Turn the knob clockwise to turn on the unit with a desired humidity setting. Turn it counterclockwise to switch off. The humidistat can be set along Lo(70~60%RH), Med(60~50%RH), Hi(50~40%RH) or other positions to control the unit on and off automatically for keeping the room humidity at a suitable humidity. At Laundry, the unit will run continuously until the bucket is full.


### Power Selection Switch

Push the switch the button to the right for TURBO MODE (high heating power and high fan speed).

Push the switch the button to the left for QUIET MODE (low heating power and low fan speed).

### Indicating Lights

Power On Indicator : Lights up when the unit is turned on by the humidistat.

Full / Check Indicator : Lights up when the bucket is full, or when the unit malfunctions, see troubleshooting on Page 10.

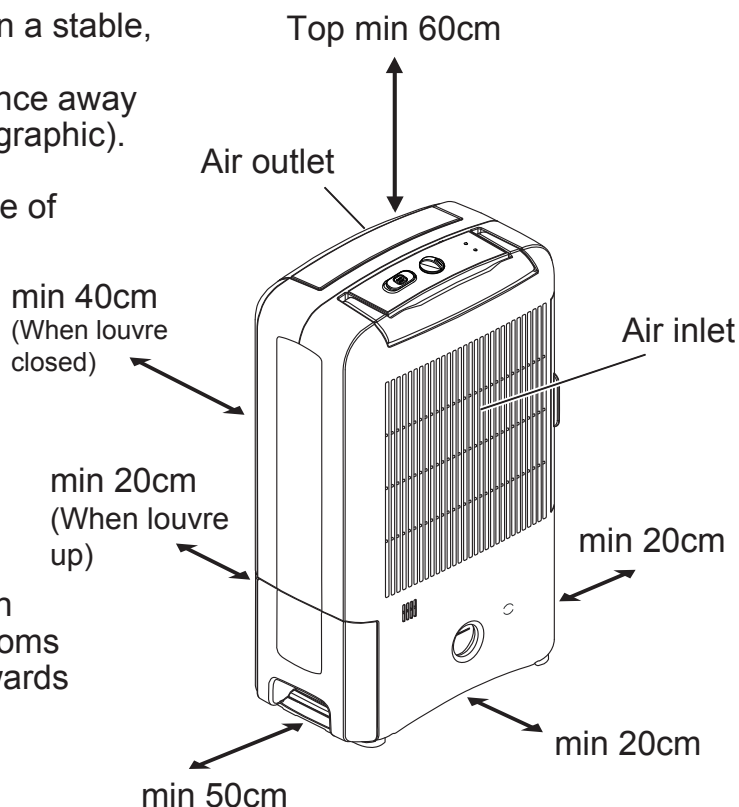
## UNIT SETUP

- Place the unit in an upright position on a stable,
- Please ensure the unit is a safe distance away from a wall or furniture (see the right graphic).
- Please keep clothes at a safe distance of 60 cm from air outlet of the unit to prevent water dripping into the unit.

- Where to position your dehumidifier?

For best results position the dehumidifier somewhere central like a landing or a hallway.

As long as the internal doors are open the excess moisture from all of the rooms in the house will migrate naturally towards the dehumidifier and be processed.



- Caution

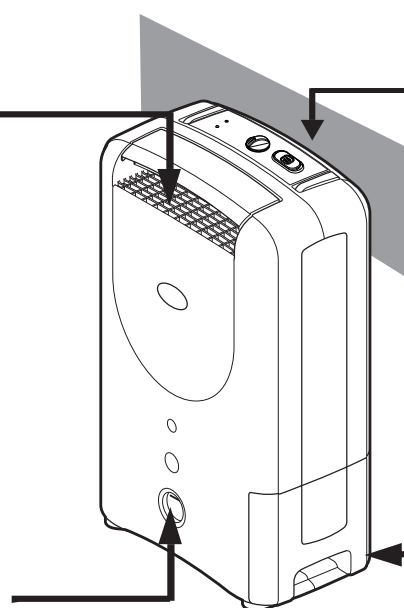
Do not place the dehumidifier in a broom cupboard, boiler room, small unventilated rooms etc. Avoid placing the dehumidifier in small confined areas or in close proximity to a radiator or heat source such as tumble driers, cookers etc.

## TO OPERATE SAFELY

- Do not insert small objects into the unit or this will damage it and cause a hazard.

- Keep suitable space as above

- Do not remove bucket when running or water may leak.

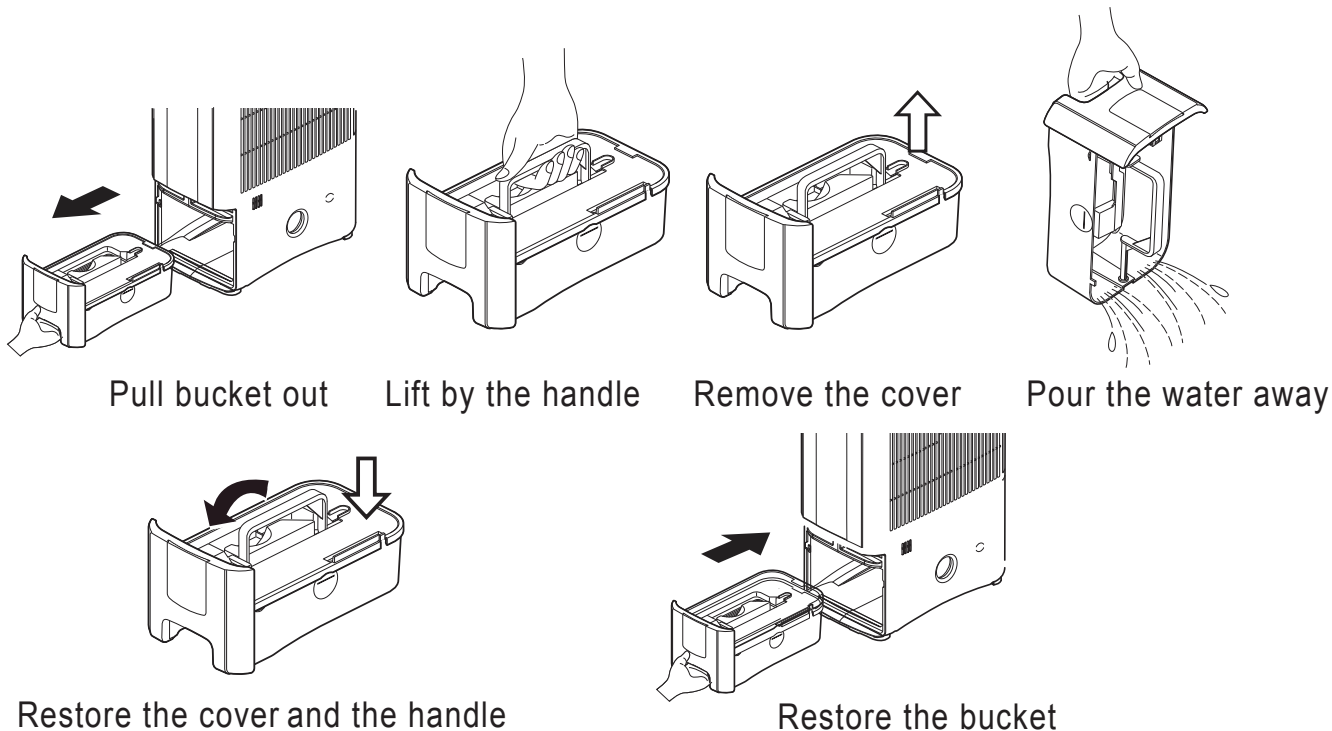


- Ensure bucket is fitted correctly, if the bucket is full or is not in place, the "FULL" lights and the machine stops.



## TO EMPTY THE BUCKET

1. When the bucket is full, the Full/Check LED lights up and the unit stops.
2. Do not move the unit or remove the bucket, if the machine is still operating, as water may leak, damage the unit or cause an electric shock.
3. To remove the bucket, pull it out by gripping the bottom of the bucket, and lift carefully.
4. Remove the cover of bucket first, then pour the water away, clean the bucket and restore the cover and the bucket to the correct position.



### NOTE:

- Clean the bucket with clean water if needed. Do not use detergent, solvent, abrasive or hot water to avoid damage to the appliance.
- Do not remove or damage the float in the bucket, the unit will not work correctly.
- The bucket cover must be well fitted in position.
- The "Full/Check" LED lights if the bucket is not well in place.

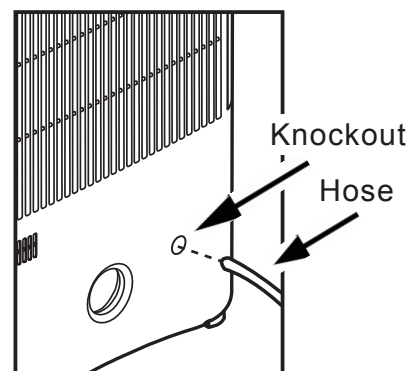
## TO DRAIN WATER (Continuous Drainage)

You may use a hose with an inner diameter of 12mm for continuous drainage:

1. Use a screwdriver to remove the knockout at the back.  
Attach the tubing to the connector through the hole.
2. The tubing should lead to the drain with no sharp bends.

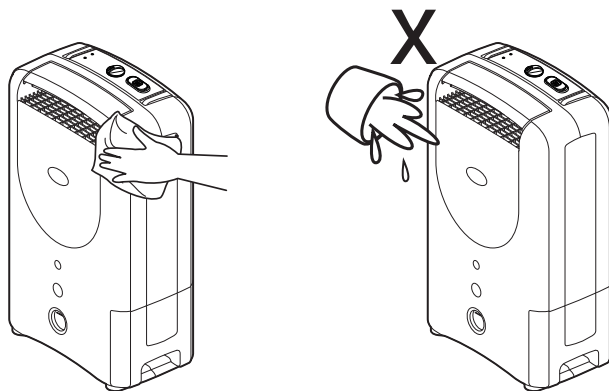
### NOTE:

1. The bucket must be in the correct position before tubing.
2. Remove the tubing before pulling out the bucket.



## Cleaning the unit

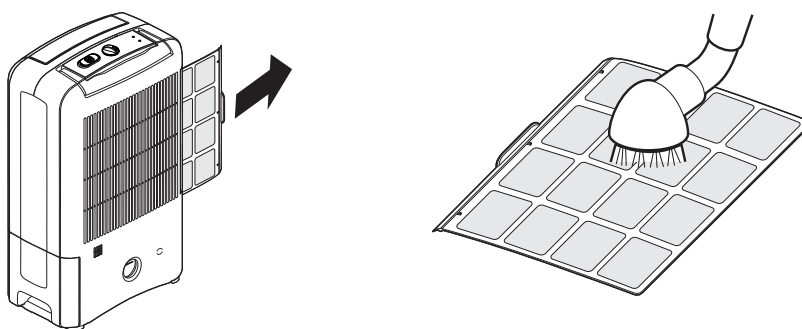
1. Turn off the unit, wait for the fan to stop and unplug from the power socket.
2. Clean the surface with a soft damp cloth.
3. Dry thoroughly with a towel after cleaning.
4. In order to avoid damage, do not wash the machine with water, or let water drip into the air inlet or outlet.



## Cleaning the nano-silver filter

If the filter is covered with dust, the airflow and the performance of the unit will be affected. It is recommended to check and clean the air filter every 2 weeks.

1. Turn off the unit and remove the filter from the unit.
2. Clean the nano-silver filter only with a vacuum cleaner.  
(Washing will weaken the germicidal effect of the filter)
3. Replace the filter in position.



## Before storing

1. Turn off the unit, wait for it to stop and unplug from the power socket.
2. Clean and dry the bucket. Leave the unit to drain for approximately one day.
3. Clean the filter and the unit. Cover the unit to prevent it from gathering dust. Store upright in a cool dry place.
4. Do not expose to direct sunlight.

# TROUBLESHOOTING

The following conditions are normal:

1. The unit works within room temperature about 1~35°C. It may stop operation out of this range or when the air inlet or outlet is covered. (The "Full / Check" LED light will illuminate)
2. The unit includes heater function that could increase the room temperature.

If your Dehumidifier stops working or "Full / Check" LED illuminates, please check the following items first.

Problem	Possible Causes	What to Do
Dehumidifier doesn't start (no lamp)	The unit is unplugged	<ul style="list-style-type: none"> <li>• Make sure the plug is pushed completely into the outlet.</li> </ul>
	The fuse is blown or circuit breaker is tripped	<ul style="list-style-type: none"> <li>• Check the house fuse / circuit breaker box and replace fuse or reset the breaker.</li> </ul>
	The room humidity has reached the setting	<ul style="list-style-type: none"> <li>• If you turn the humidistat clockwise the unit should turn on for a drier humidity level.</li> </ul>
Full / Check lamp lights	The bucket is full or not in place	<ul style="list-style-type: none"> <li>• Empty the bucket, check the float in position, and replace the bucket.</li> </ul>
	The unit is not level on the floor / surface	<ul style="list-style-type: none"> <li>• Place the unit on a stable, level surface.</li> </ul>
	The air inlet or outlet is covered / blocked	<ul style="list-style-type: none"> <li>• Make sure there is nothing blocking the air inlet and air outlet of the unit. Clean the filter. Unplug and wait at least 10 minutes to resume operation.</li> </ul>
	Filter clogged with dust	
	Lack of air ventilation in the room	<ul style="list-style-type: none"> <li>• Do not use it in a small and closed place where heat accumulates.</li> <li>• Move to a cooler place, wait at least 10 minutes to resume operation.</li> <li>• Unit has safety feature to prevent it from overheat, wait at least 10 minutes to resume operation.</li> </ul>
	The ambient temperature is too high, such as over 38°C	
Water on floor	The unit is not level	<ul style="list-style-type: none"> <li>• Check the unit is placed on a level surface and not accidentally sitting on a cable etc.</li> </ul>
	The drainage is clogged or loose	<ul style="list-style-type: none"> <li>• Check the drainage hose and its connection.</li> </ul>

## NOTE:

1. If the "Full / Check" LED illuminates, turn off the unit, unplug from the power socket, check and clean the filter. If it is dirty, remove any obstacle that covers the air inlet or outlet, and wait for at least ten minutes before plugging in and switching back on.
2. Please contact your retailer if the problem continues.

Do not try to repair it by yourself, as this could cause an electrical shock and void your warranty.

## **Smell coming from the dehumidifier**

When you first use the dehumidifier and periodically afterwards you might notice a smell coming from the dehumidifier. This is caused by the Zeolite desiccant material and is not a sign that the dehumidifier is faulty, nor is it harmful to humans or pets. The smell occurs because the Zeolite absorbs odours from items like cigarettes, cosmetics, hair sprays, building materials and new furniture and then when the desiccant is heated the smell is discharged into the room. This smell has been described as being like a burning smell or a sour smell. It is normal, will not last long and is not a sign of a fault.

## **Amount of water collected**

When you first use your dehumidifier it may work harder to reduce the room humidity to its target humidity level, this is the time when it will produce the most water and need emptying most frequently. As the room becomes dryer the dehumidifier collects less water. This is normal. When the target relative humidity has been reached the dehumidifier will stop.

If you find that you still have condensation on your windows or you need to dry the air further then turning the humidistat knob more clockwise will turn on the dehumidifier again to dry the air further to a less humidity. You may choose Turbo mode to get a faster drying, or choose quiet mode to get a slower but quieter operation.

## **Safety temporary auto shut-off**

The unit may automatically switch off periodically to cool itself down as a safety precaution (for approximately 15 minutes). This feature is evident in the Turbo mode. This is normal and once the unit cools down, it will resume operation.

## **Ventilation**

The dehumidifier must not be placed in a confined space. Move the dehumidifier to a well ventilated area for example in a hallway, landing or a ventilated room. Ensure that its not in close proximity to any form of heat source, such as a radiator or appliances that generate heat (eg tumble dryer or cooker). The air inlet and outlet must not be obstructed.

# SPECIFICATIONS

Model: ECO DD122FW SIMPLE MK2

Operating Temperature Range: 1°C - 35°C

Dehumidification: 7 litres / day (20°C / 60%RH)

Water tank capacity: 2 litres

Power Consumption (H / L) : 620W / 360W

Voltage: 220-240V~ 50Hz

N.W: 6 kg

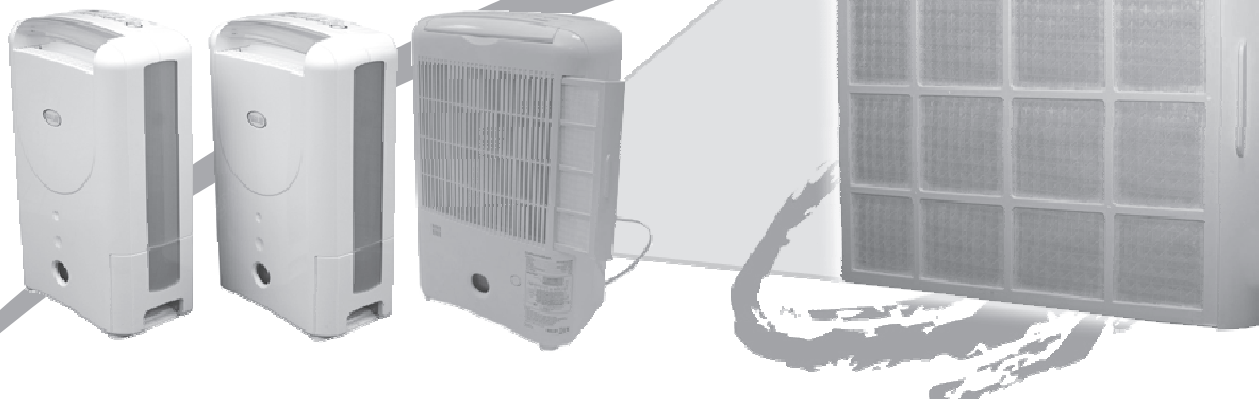
G.W: 7 kg

Product size: 48.5H x 29W x 17.5D cm

## ECOAIR Silver Nano Filter (for DD122FW Classic & Simple)



**Kill Bacterias  
Effectively**

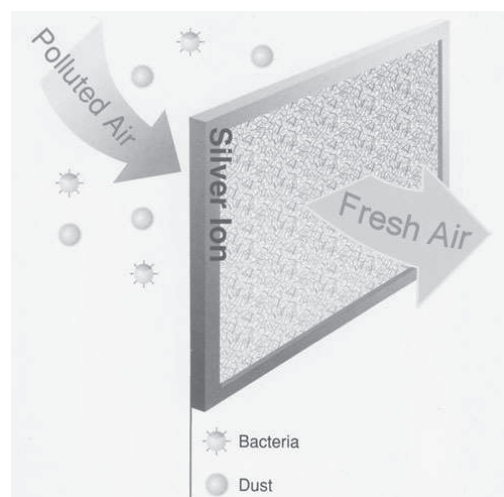


### Benefits Of Using Silver Nano Filter

The Silver Ion attached on the filter releases the Silver ions repeatedly to eliminate bacterias effectively.

The Silver Nano Filter kills bacteria in the air and controls the growth of microbes, such as bacteria, virus, fungi, and spores, by destroying their inner configuration and absorbing the cells elements.

\*The DD122FW dehumidifier range are all factory fitted with a Silver Nano Filter.



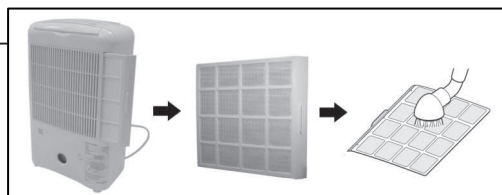
### FEATURES

#### Tips For Cleaning Silver Nano Filter

If the filter is covered with dust, the airflow and the performance of the unit will be affected. Check the filter periodically to ensure any dust is removed (It is recommended to check and clean the air filter every 2 weeks or an appropriate frequency depending on your usage and air environment).

#### How to Clean

1. Turn off the unit and remove the filter from the unit.
2. Clean the Silver Nano Filter only with a vacuum cleaner. (Washing will weaken the germicidal effect of the filter)
3. Replace the filter in position.



## Post Order Form

### Your Details

Company Name:
Name:
Address:
Post code:
Telephone:
Mobile:
Fax / Email:

Model Number	Description of Item	Quantity	Unit Price	£ Amount
PJ-311400220-01R	ECOAIR Silver Nano Filter			
	Total			

### Payment Details (Please tick one below)

Credit ☐ or Debit Card ☐ or Cheque ☐

Visa ☐ Master Card ☐ Solo ☐ Visa Electron ☐

Card Number:

Name on card:

Issue Date:   /

Expiry Date:   /   Issue No (where applicable):

Card Security No:    (Last 3 digits on the signature strip on the reverse of your card)

Customer Signature:

.....  
Name:

Date:

### Fax Form To Us

Fax: 020 8451 1587

### Mail Form To Us

EcoAir Unit 7 Propeller Park,  
400 North Circular Road,  
London NW10 0AB  
Tel: 020 8459 2458



*keeping your home  
safe and clean*

Order Today By Fax, Post Or Via Online  
More Information: <http://www.ecoair.org>

## ONE (1) YEAR LIMITED WARRANTY Save This Warranty Information

**Eco Air** guarantees this product free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Coverage is valid only with proof of purchase.

This unit must be operated under conditions as recommended, at voltage indicated on the unit. Any attempts made to service or modify the unit, will render this WARRANTY VOID. The actual product may differ slightly from illustration. This warranty is in addition to, and does not affect, your statutory rights.

For further information, please contact 020 8459 2458.


This product has been manufactured to comply with the EC Directives 2006/95/EC and 2004/108/EC.

We recommend that you note the details of your purchase below and retain your original proof of purchase receipt with this manual. Keep these documents safe in the event of a warranty claim.

Date of purchase: \_\_\_\_\_  
Retailer name: \_\_\_\_\_  
Serial number: \_\_\_\_\_



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safe and clean*



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